

ABSTRACT

The present inventors examined cell growth of human colon cancer cell lines and breast cancer cell lines using L-2-phenylglycine, which is considered to be an amino acid transporter
5 ATB^{0,+} inhibitor, as a test substance to reveal a concentration-dependent cell growth inhibitory effect. This result shows that inhibition of ATB^{0,+} activity may suppress cell growth. Suppression of the amino acid transporter ATB^{0,+} activity may be an important index in developing growth inhibitors for cancer cells and such.